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of thei garden are Qualty rozen mady equal and exusiala Horl Gol Vonch Tunirata ) Difficult to Astringwich Jan 1858 O vosea & the highest with short tiber des and many spines i the becach -much like very O. Bigelowi or O. tunist, of most gardens. O. execurate is the highest has long tuberdes and nathen fewer spines. O tunients is said to be a low plant ust good over a foot high. Munti inbritati is the layert of these thinker Op. rylind, flowers sometimes, flowers brick red with erect petals, stamin and style extent Higuet green; style guile long \_ shape flower similar to Mopalea Steel Jerium 5-6 feel high, 12 inches i danithe very sping, spines shalled MISSOURI BOTANICAL

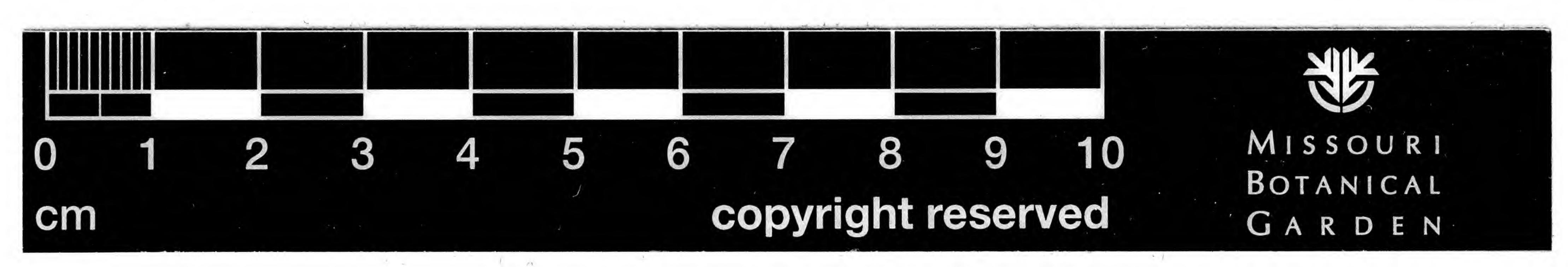
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GARDEN

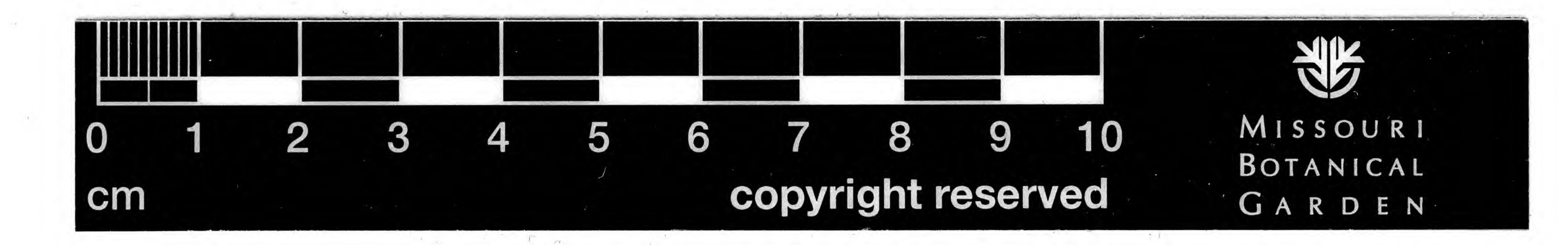
cm

Jewilez es Spir white flex. The globore office. 10-2-6 O. aticulate seems to be the source sitteet jule, In they belong here I on where 2 Hot. Venet. Jan. 1858. Opuntiae cylikdricae GEORGE ENGLISHE Quenties Alleinine, two sperines; trees 10 or 12 feel high Show 2 p-3 inches d'ameter almost without spines. Hus never flowered here though the spear may ar so well grown. MISSOURI BOTANICAL copyright reserved cm GARDEN

Notes on Cactarer - Hort Thursel Constitution to the continents ) son state by "Opintia tunicata" is similar to my arborescry which also is cultivated here, it is somewhat best start, taberle, still more elengated, if flowers ( could not get any information of to the flowers) and bears fruit, which is still on the plant, but reems to produce no ripe seed. fruit ob ovate, much longer the thick ( whather well formed?) don't 1/2 inter (not the O. Turnicala of Famis) Cong Seems to be the same Dethe I find at monspellier and the ream of O. derjoien.



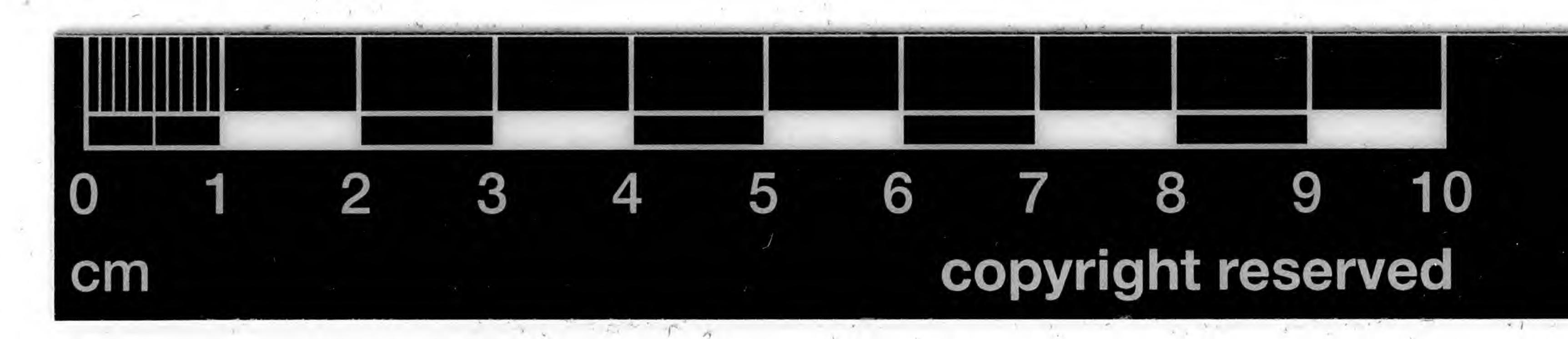
MISSOURI BOTANICAL GARDEN'
CEORGE ENGERMENT CARREN



Marson 27 1276 Gunter in Contain near C. 5-07 Mexers, 20 A Weber 1866 raphe bondelpromiale and small, angular, sogalarly facilità 1/4-1/2 li d'an

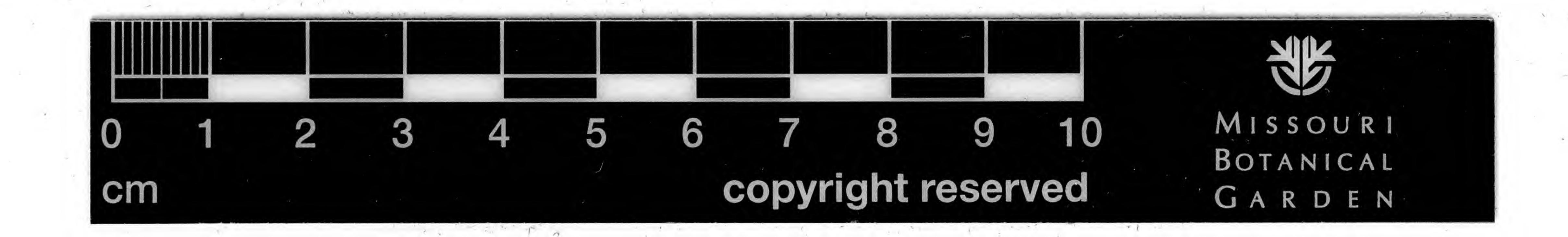
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MISSOURI BOTANIC FARERS GEORGE ENGELMANN FARERS



1 / 12 miles of the second The bring many petter The same of the sa And the state of t 10 they place of my miles And American programme Commencer the state of the Company Collins and the transfer of the same o O and the property of the same of the same A Contract of the state of the s And I for him The state of the s The state of the s The state of the s And Control of the 12 Chamana Alexander -College College Of The Destanting to the Contract of the Contr 12 Charles 1 / Language processing The second second And the same of th The the tent of the second 2-6-29-Aller Mary Jaron MISSOURI BOTANICAL

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He Mui Paur Apr 1869 264 Cerro an dessus de quadalugue pris Mexico 8. Dongean 20 Mai 1865 Exa. françase quatri desprese. no Soull only a form of O inthicat. steller on jout, elongated, 1/4 inch. log, oristate\_arealese lange, on the upper edge with Ny gellowih britle, Ovan obronie 9-10 ( 6) sein i dant mont 18-21 anolae with whiteh wood Ist yellow listle - I offen a for ærrelan spialer. flower purhaps 1/2 that last nd stam, somdstigut Jutal, patalet james de lies, obout. Lubandelo

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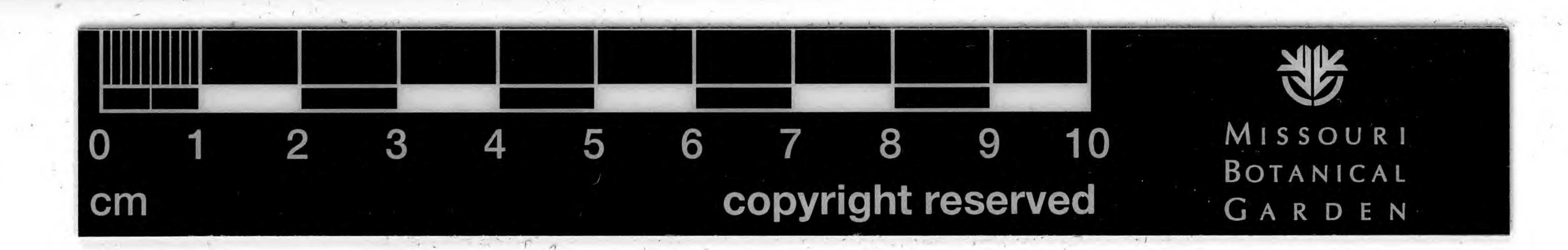
2654 GEORGE ENGELMANN PARKET

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And Syck, 1857 dan. Or inbrita similar to arbonisma, stouter, with more promisent believely at nother fewer spring (in this cult vite spennen); branker also somewhile veit.



aen Insuur, Mucier de la Legion d'Honneur, 2655 Trésident de la Tociété Botanique de France, Vice Trésident de la Tociété d'Acclimatation 2. Dosson ont Chonneur de vous



O. imbritati looks like my arboressen Had ken Any 1857

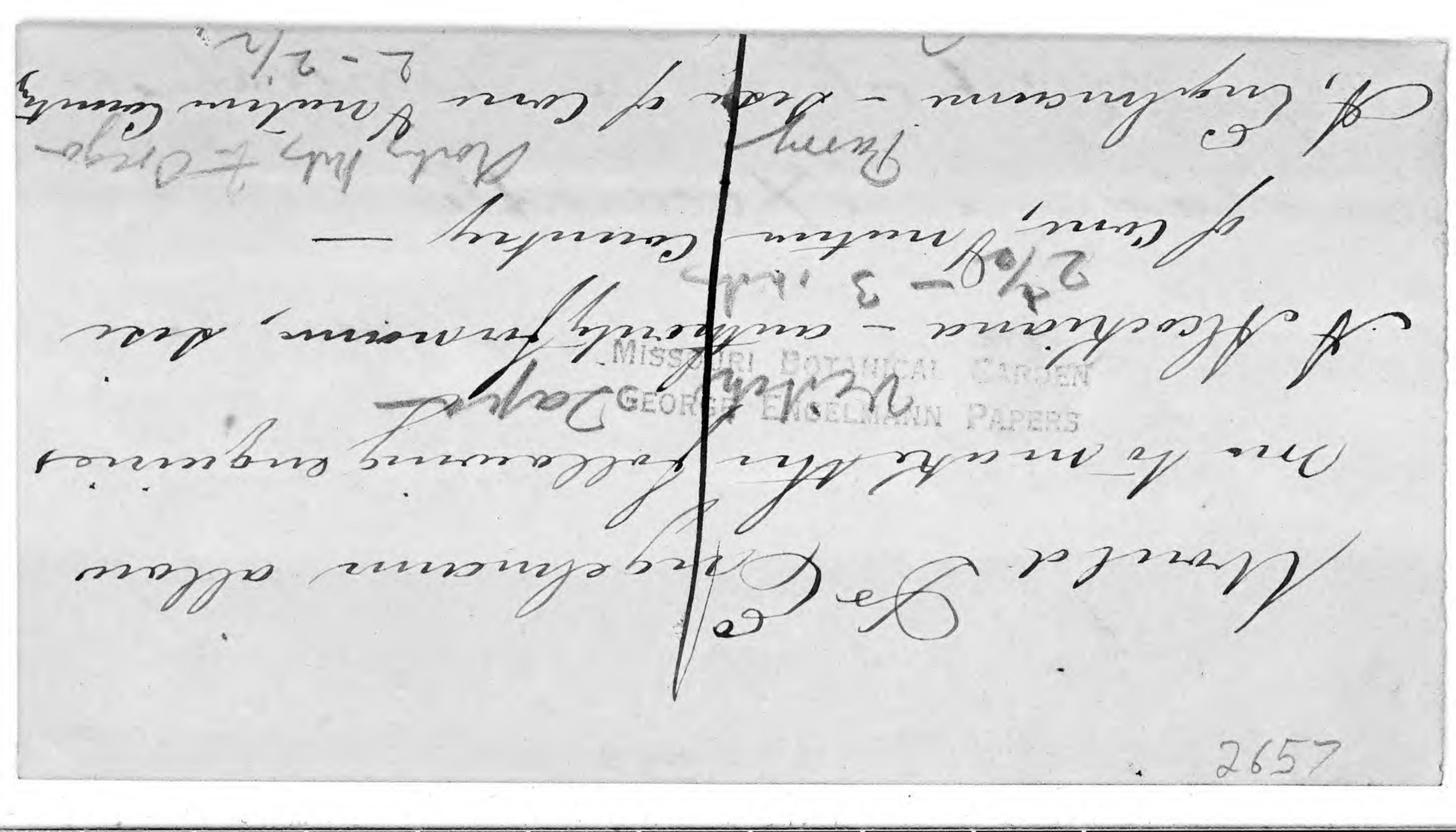


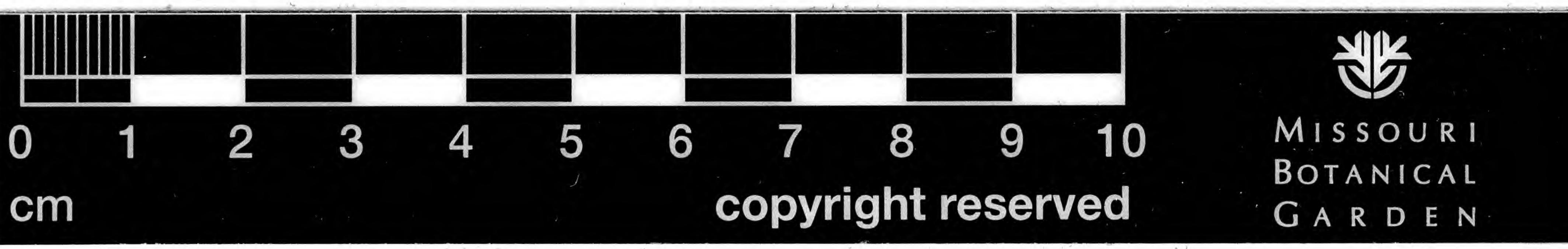




Oprentie instrata is en the Nahnette Canque Xoconostli Ang Barrock 1x78

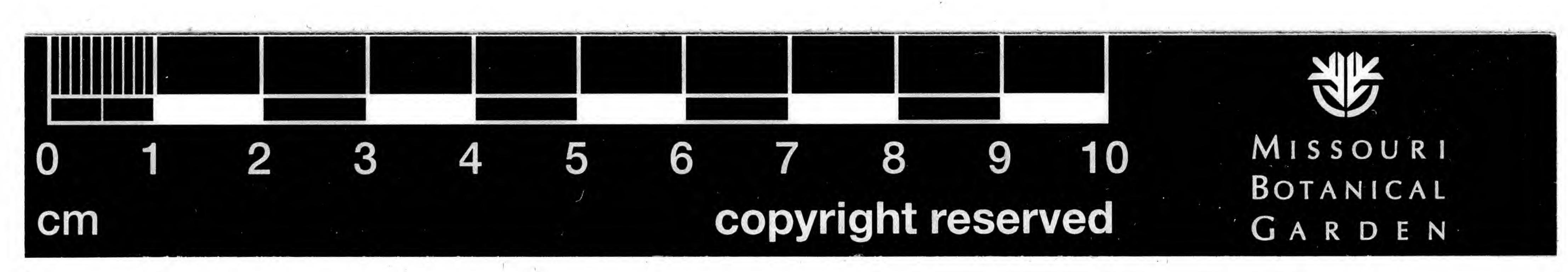




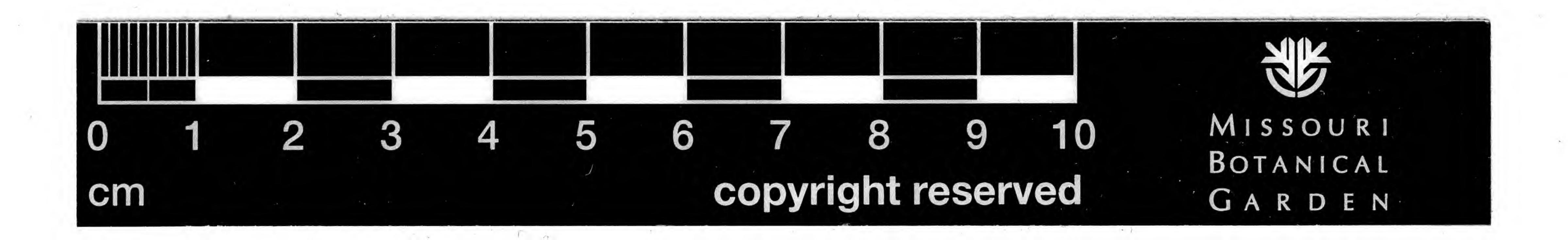


In Hort bot Padra. 28 Lan 1857 8 2/2 Cano quité exerciate " like a large terbended"

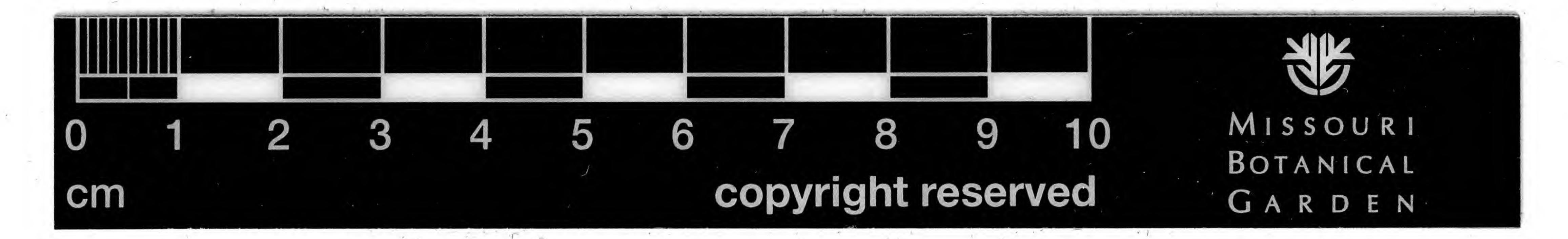
1 and lew spiand arborrsone and few spiaed arborison "Op. fundsa" = a sping arboreson

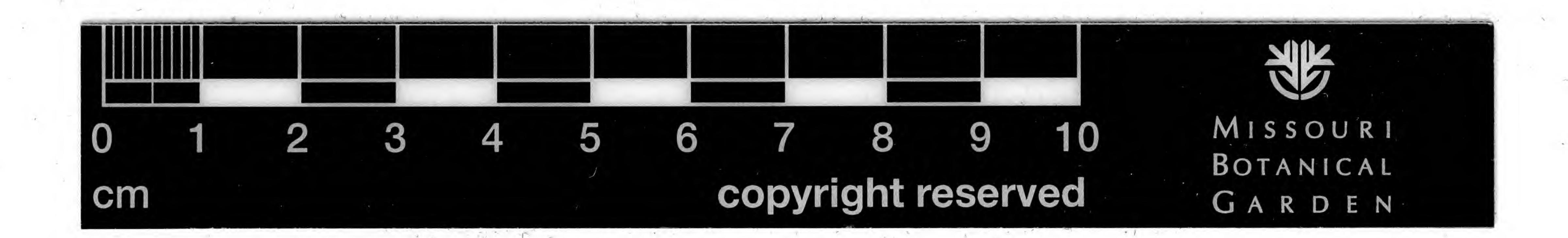


GEORGE ENGELMANN PAPERS



Har Kew Ang 1857 O. excurrata is my O. arborespens, only the joints and tubersteen apparently a little more prominent and stout.





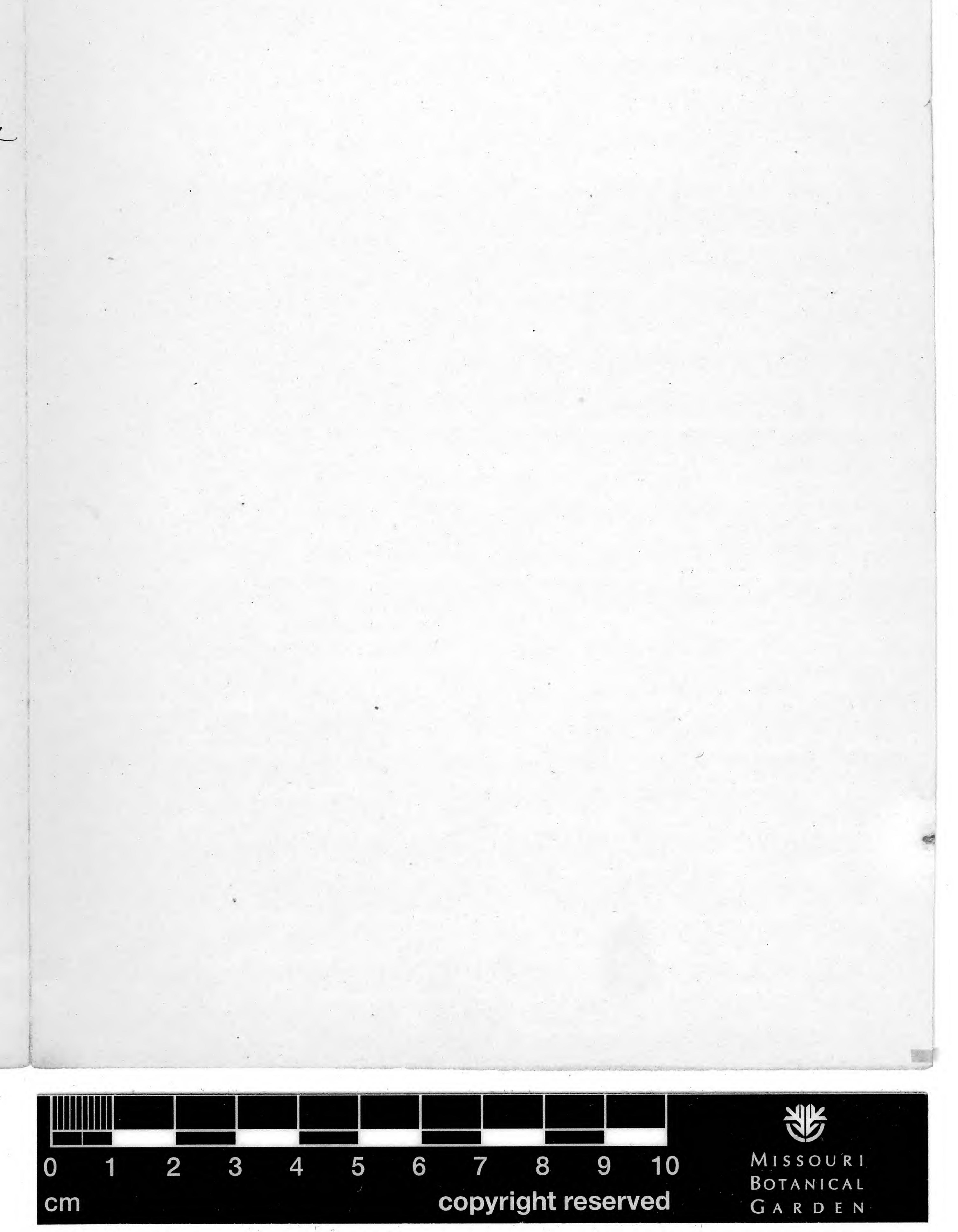
Opuntià deripiens De. Host bot Monspess. March 1 1869 lage sperimen, ein open ain, placed against a wall 15 feet high, Frunk Torote, 4-5 inches en Diameter Similan to O. arborens toek satten more slender jorats longer, more compressed tuberry and different flower and fruit Similar covered with distant /1/2-2 inches apart ) anothe which preduce numerous 12-15-16 stellete spines; pounger josuts edje et the 1-3 on morely 5- spines one the lover edge of the larger one of which is larger sheather the others often also, in & smillest ones without a sheath ) and slightly deflexed on upp An pumerous ple brightly longer, the town them to be the Tuber longer on longer Compression; in 13 or 1 arrangement? flowers said to be only about one inch ei l'ameter, vorse red ratter pale Fruit (unific and all that I have opened vitt imperfect seed ) borate 1/4 inch long all 10 lines vide with narrow a deep unbilion [ 4 lives write at deep] strongly taberrleated. Fabrusles with Abrilla oval arcolee, a strong beach of yellowsh Will brills adopredge

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a I muly a few spinule, at Courpart tabushes in Those examined in \$14 order, about 21-23 number O. Deripiens Hort Windol 1858 = Aleinie and Hur Jurich 1857 MISSOURI

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